

Figure 1

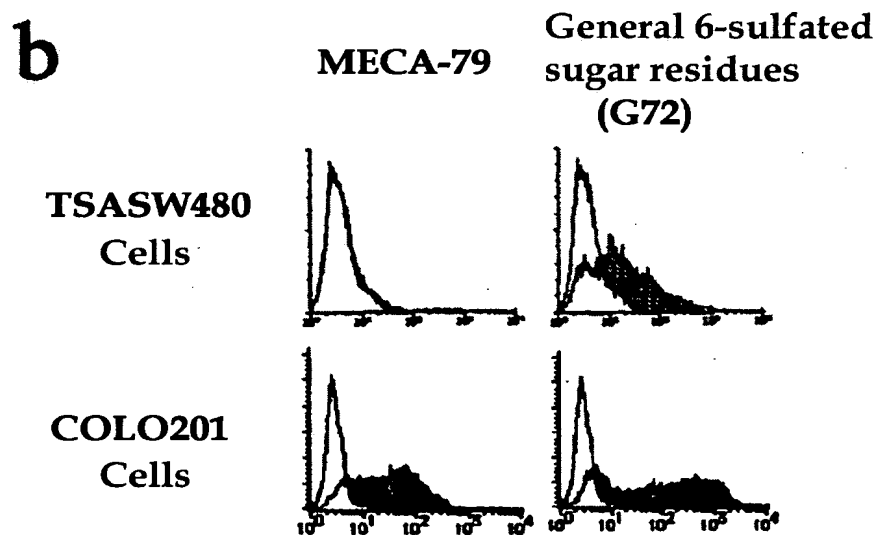
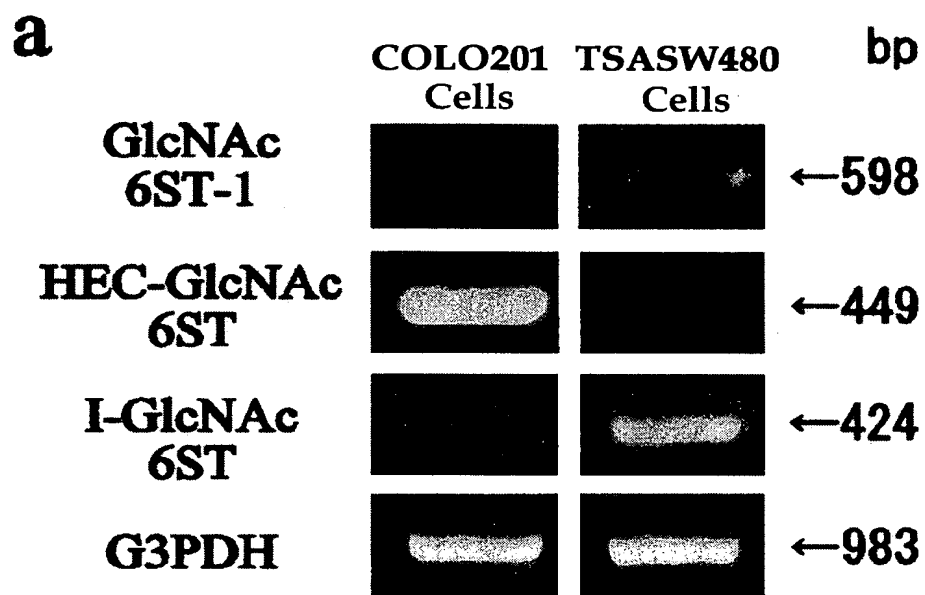
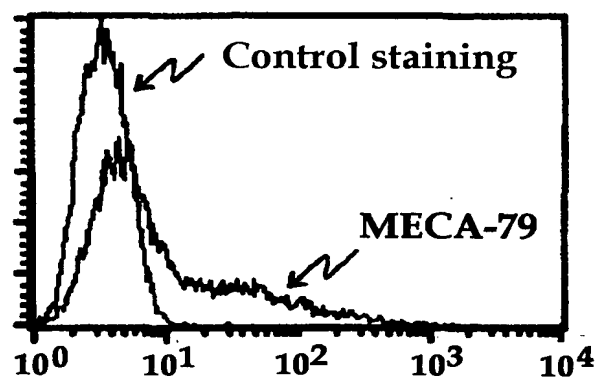
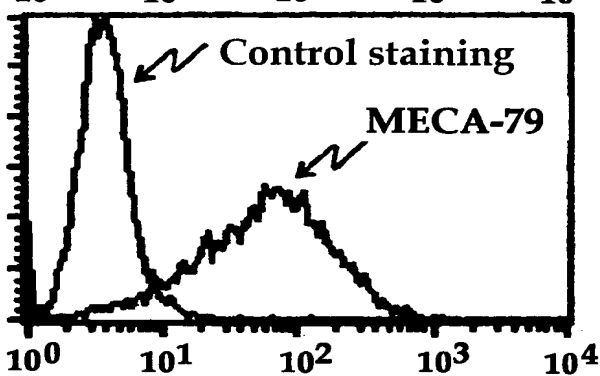


Figure 2

GlcNAc6ST-1
Transduced cells



**HEC-
GlcNAc6ST**
Transduced cells



I-GlcNAc6ST
Transduced cells

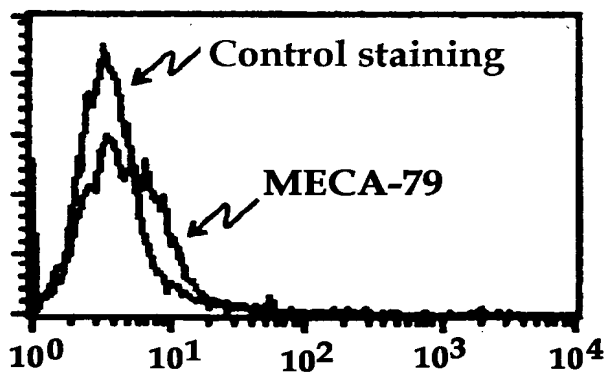


Figure 3

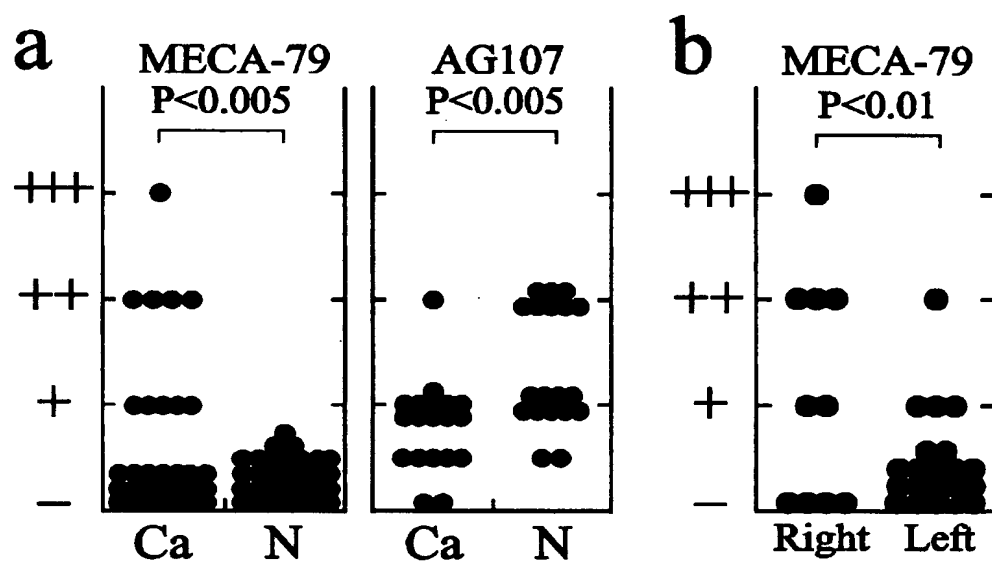


Figure 4

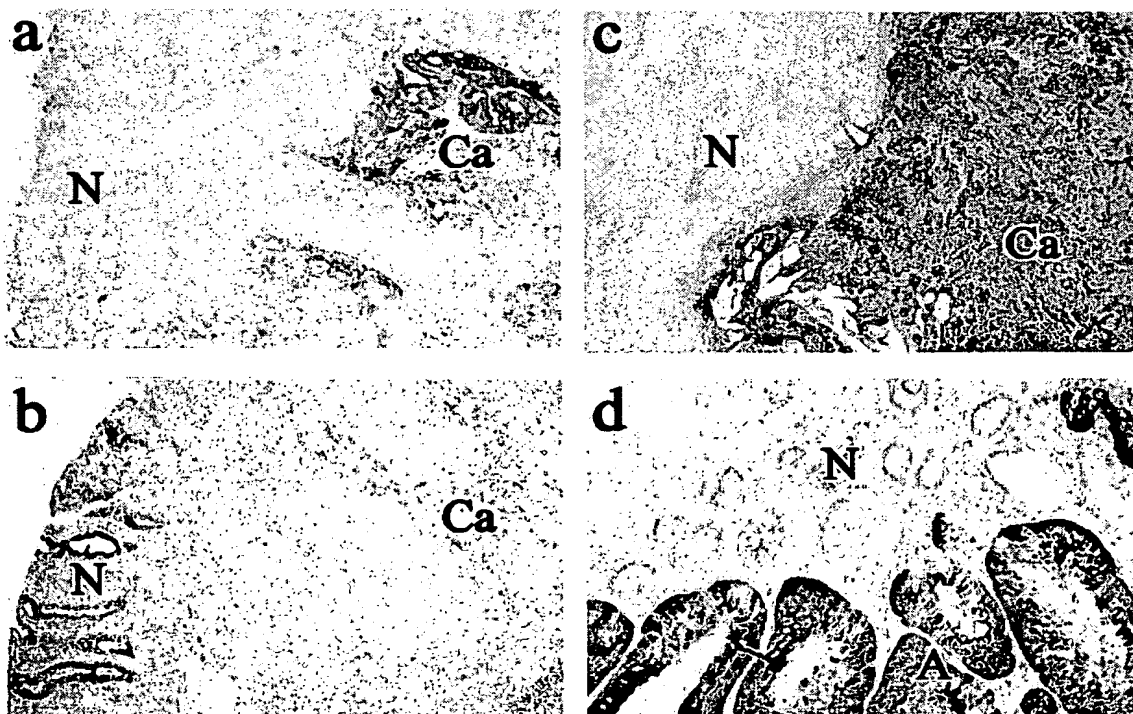
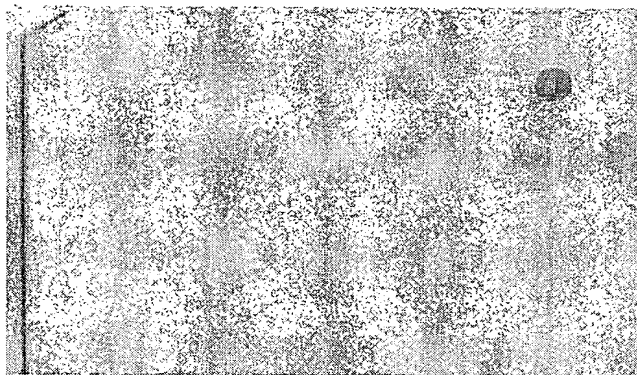


Figure 5**Samples**

No. 1 2 3 4 5 6 7 8



← Colorectal Cancers (8 cases)

← Colorectal Adenomas
(8 cases)

← Benign Colorectal
Disorders (8 cases)

← Normal Healthy Subjects
(8 cases)

Figure 6

BD PharMingen Technical Data Sheet

Page 1 of 2

PURIFIED RAT ANTI-MOUSE PNAd CARBOHYDRATE EPITOPE (CD62L Ligand) MONOCLONAL ANTIBODY**PRODUCT INFORMATION**

Catalog Number: **553863** (Was: 09961D), 0.5 mg
 Description: Purified anti-mouse PNAd Carbohydrate Epitope (CD62L Ligand)
 Clone: MECA-79
 Immunogen: Collagenase-dispersed BALB/c lymph node stroma¹
 Isotype: Rat (Wistar) IgM, κ
 Contents: Purified immunoglobulin in 10 mM phosphate buffer, pH 7.2 with 500 mM NaCl and 0.09% (w/v) sodium azide.

SPECIFICITY

The MECA-79 antibody reacts with sulfate-dependent carbohydrate epitopes of peripheral lymph node addressin (PNAd).² The MECA-79-reactive antigen is closely associated with the carbohydrate ligands for L-selectin (e.g., CD34, GlyCAM-1, MadCAM-1), which are expressed on high endothelial venules (HEV) in lymphoid tissues and at sites of chronic inflammation.^{1,2,3,4,5,6} Cross-reactivity with human,^{3,4} ovine,⁷ bovine,⁷ primate,⁷ and porcine⁸ tissues has been observed. MECA-79 antibody inhibits L-selectin-dependent lymphocyte and platelet homing to lymph nodes *in vivo*.⁹ and *in vitro* adhesion to lymphoid tissue HEV^{1,4} and immobilized PNAd.^{3,9,10}

PREPARATION AND STORAGE

The antibody was purified from tissue culture supernatant by affinity chromatography. The antibody solution should be stored undiluted at 4°C.

USAGE

This antibody has been tested by immunohistochemical staining (IHC) of citrate-pretreated formalin-fixed paraffin-embedded sections (5 - 20 μ g/ml) to assure specificity and reactivity. Other reported applications include IHC of acetone-fixed frozen sections,^{1,4,5} immunoprecipitation,^{2,3} western blot analysis,¹⁰ and *in vitro* and *in vivo* adhesion blocking.^{1,3,4,9,10} Since applications vary, each investigator must determine dilutions appropriate for individual use.

Caution: Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE™ (No Azide/Low Endotoxin) antibody format for *in vitro* and *in vivo* use.

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Figure 7

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Conditions: BD PharMingen will not be responsible for violations or patent infringements which may occur with the use of our products.

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion, and contact with heat, acids, and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharge into plumbing.

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